

# PRODUCT INFORMATION PACKET

Model No: 145TTWD6001  
Catalog No: N458A  
2,3600,TEFC,145TC,3/60/230/460  
Washdown Duty



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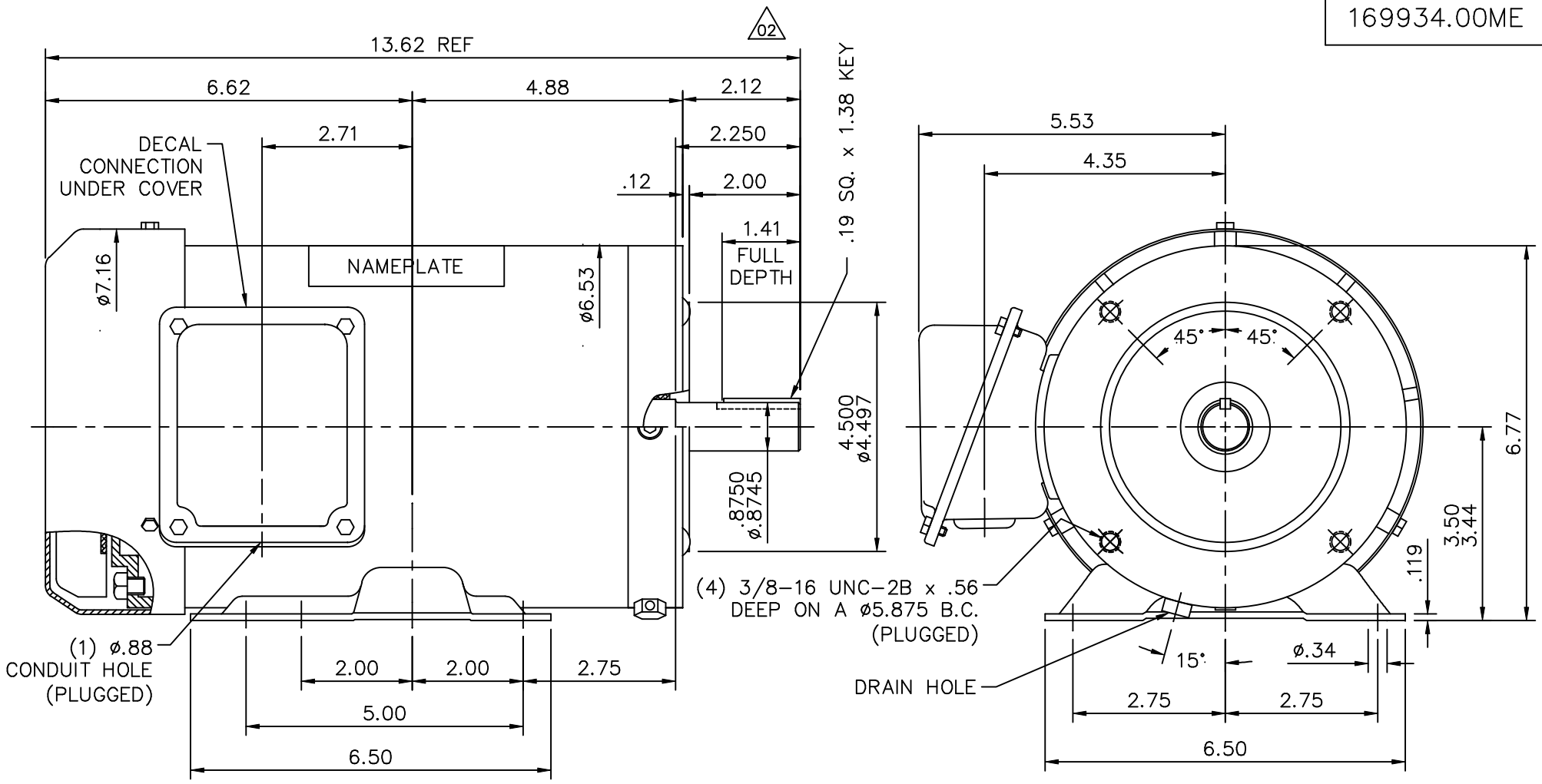
### Nameplate Specifications

Output HP	<b>2 Hp</b>	Output KW	<b>1.5 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>230/460 V</b>
Current	<b>5.3-5.0/2.5 A</b>	Speed	<b>3450 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>3</b>
Efficiency	<b>85.5 %</b>	Duty	<b>Continuous</b>
Insulation Class	<b>F</b>	Design Code	<b>B</b>
KVA Code	<b>M</b>	Frame	<b>145TC</b>
Enclosure	<b>Totally Enclosed Fan Cooled</b>	Overload Protector	<b>No</b>
Ambient Temperature	<b>40 °C</b>	Drive End Bearing Size	<b>6205</b>
Opp Drive End Bearing Size	<b>6205</b>	UL	<b>Recognized</b>
CSA	<b>Y</b>	CE	<b>Y</b>
IP Code	<b>43</b>		

### Technical Specifications


Electrical Type	<b>Squirrel Cage Induction Run</b>	Starting Method	<b>Across The Line</b>
Poles	<b>2</b>	Rotation	<b>Reversible</b>
Mounting	<b>Rigid base</b>	Motor Orientation	<b>Horizontal</b>
Drive End Bearing	<b>Ball</b>	Opp Drive End Bearing	<b>Ball</b>
Frame Material	<b>Stainless Steel</b>	Shaft Type	<b>T</b>
Overall Length	<b>13.62 in</b>	Shaft Diameter	<b>0.875 in</b>
Shaft Extension	<b>2.12 in</b>	Assembly/Box Mounting	<b>F1 Only</b>
Outline Drawing	<b>16993400ME</b>	Connection Diagram	<b>005010.01ME</b>

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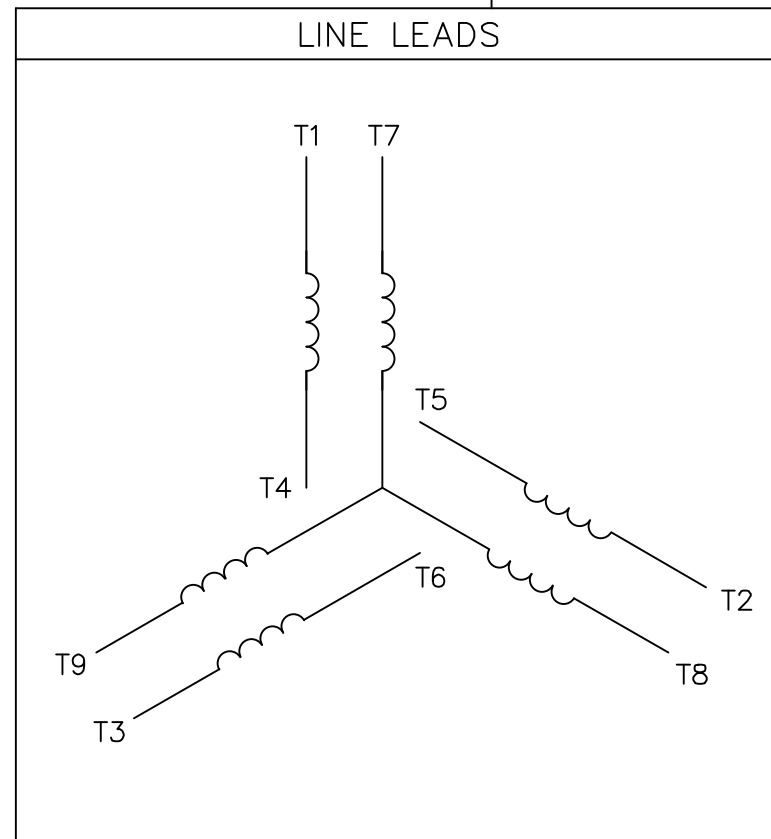
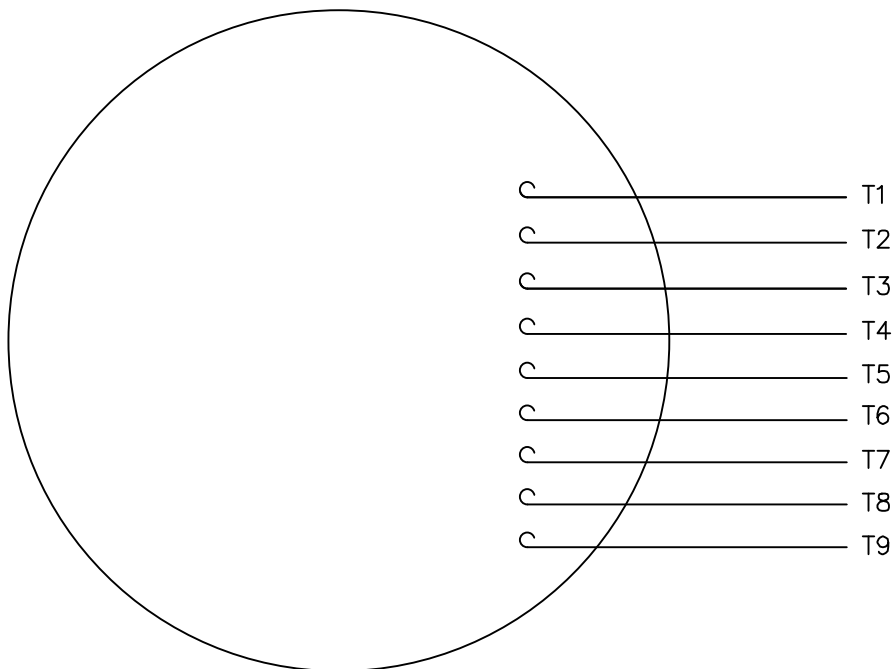


MAXIMUM FACE RUNOUT TO BE .004 T.I.R.  
 MAXIMUM PILOT ECCENTRICITY .004 T.I.R.  
 PERMISSIBLE SHAFT RUNOUT .002 T.I.R.

GASKETS THROUGHOUT

			TOLERANCES UNLESS SPECIFIED			DRAWN
			DEC.	INCHES		CHK
			.X	±.1		
			.XX	±.03		RDW 04/09/03
			.XXX	±.005	TITLE	APPD
02	UPDATED SHAFT EXT DIMS	RDW 4/26/04	SW	.XXX	OUTLINE - 143-145TC FRAME	SCALE 3=8
01	CONDUIT HOLE WAS 1/2-14 NPT, DIM .157 WAS .12	SW 10/7/2003	RDW	.XXXX	TEFC - RIGID "C"	REF
NO.	REVISION	BY & DATE	CHK	ANG	MAT'L.	FMF
				±1/2"	FINISH	PREV
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT			RFP		CAD FILE	16993400ME
			DIST		SIZE	DRAWING NO.
					A	169934.00ME
						REV. 01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



VOLTAGE	L1	L2	L3	JOIN & INSULATE
HIGH	T1	T2	T3	(T4,T7) (T5,T8) (T6,T9)
LOW	T1,T7	T2,T8	T3,T9	T4,T5,T6

		TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC		DRAWN RDW 04/12/02	
		DEC.	INCHES			CHK	
		.X	±.1			APPD	
		.XX	±.01	TITLE		SCALE 1=1	
		.XXX	±.005	EXTERNAL WIRING DIAGRAM 3 PHASE W/O PROTECTOR		REF FIG.2-51	
		.XXXX	±.0005	MAT'L.		FMF	
				DECAL - 004014		PREV	
NO.	REVISION	BY & DATE	CHK	ANG	±1/2'	FINISH	
			RFP	04/12/02		CAD FILE	00501001ME
			DIST			SIZE	A
						DRAWING NO.	005010-01ME
						REV.	

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**CERTIFICATION DATA SHEET**

**Model#:** 145TTWD6001 AA      **WINDING#:** QT63219 FR 3  
**CONN. DIAGRAM:** 005010.01ME      **ASSEMBLY:** F1 ONLY  
**OUTLINE:** 16993400ME

**TYPICAL MOTOR PERFORMANCE DATA**

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
2&1 1/2	1.49&1.12	3600	3450&2850	145TC	TEFC	M	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/ 380	5.3- 5/2.5&4.6/2.3	ACROSS THE LINE	CONTINUOU S	F5	1.15/1.15	40	3300

FULL LOAD EFF: 85.5&84	3/4 LOAD EFF: 87.2	1/2 LOAD EFF: 86.7	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 87.5&88	3/4 LOAD PF: 84.6	1/2 LOAD PF: 77.3	0	SQ CAGE IND RUN	1.8 / .9

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
3.001 LB-FT	50.8 / 25.4	10.7 LB-FT 357	11.84 LB-FT 395	0

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
- dBA	- dBA	0 LB-FT^2	- LB-FT^2	10 SEC.	-	0 LBS.

**\*\*\* SUPPLEMENTAL INFORMATION \*\*\***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	NO PAINT

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE	POLYREX EM	T	NONE	NONE	303 STAINLESS (C-501)	STAINLESS STEEL
BALL	BALL						
6205	6205						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs	NONE	FALSE	NONE VOLTS
NONE	NOT	NONE	NONE			

If Inverter equals NONE, contact factory for further information

\*  
N  
O  
T  
E  
S  
\*

INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE
ENCODER: NONE
NONE NONE
NONE NONE PPR
BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz

DATE: 06/27/2017 12:35:24 AM  
 FORM 3531 REV.3 02/07/99  
 \*\* Subject to change without notice.

Data Sheet

Date: 29-06-2017  
 Customer: \_\_\_\_\_  
 Attention: \_\_\_\_\_  
 Submitted by: FAREEDA DUDEKULA



145TTWD6001

Submittal

Data @ 460 V

Motor Load Data

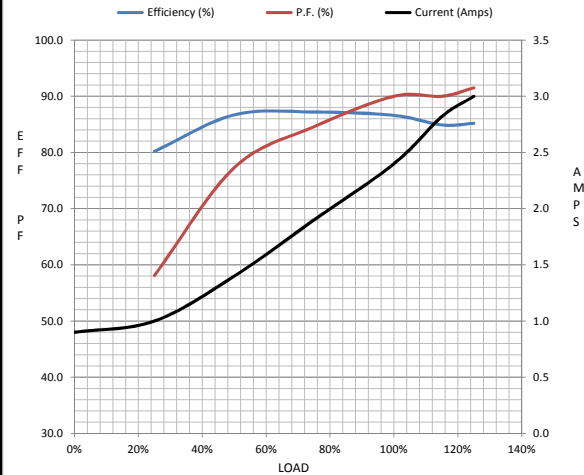
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	0.90	1.00	1.40	1.90	2.40	2.82	3.0	25.4
Torque (ft-lb)	0.00	0.73	1.48	2.23	3.0	3.5	3.8	10.7
RPM	3600	3576	3552	3525	3497	3.482	3464	0
Efficiency (%)		80.2	86.7	87.2	86.6	84.9	85.2	
P.F. (%)	11.0	58.1	77.3	84.6	90.0	90.0	91.5	60.2

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	657	2657	3497	3600
Current (Amps)	25.4	23.9	14.9	2.40	0.90
Torque (ft-lb)	10.7	7.6	11.8	3.0	0.00

Information Block

HP	2.0			
Sync. RPM	3600			
Frame	0			
Enclosure	TEFC			
Construction	NA			
Voltage	30/460#190/38V			
Frequency	60 Hz			
Design	A			
LR Code letter	M			
Service Factor	1.15			
Temp Rise @ FL	63 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk <sup>2</sup>	0.00 Lb-Ft <sup>2</sup>			
Ref Wdg	QT63219 FR			
Sound Pressure @ 1M	999 dBA			
VFD Rating	NONE			
Outline Dwg	16993400ME			
Conn. Diag	005010.01ME			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed -Torque Curve

